

UNITED STATES MARINE CORPS  
Logistics Operation School  
Marine Corps Combat Service Support Schools  
PSC Box 20041  
Camp Lejeune, North Carolina 28542-0041

1304

**STUDENT OUTLINE**

**MDSSII INTRODUCTION, PLAN MAINTENANCE AND DATABASING**

**LEARNING OBJECTIVES**

1. Terminal Learning Objective: Given operational data, commander's guidance, access to AIS, and per the references, support deployment and distribution planning through the use of automated information systems (AIS), to ensure reports are timely, accurate, and coordinated per the references. (0402.08.03)

2. Enabling Learning Objective:

a. Given MAGTF Deployment Support System II, and a 3.5" disk, perform interfacing options without the aid of the references.

b. Given MAGTF Deployment Support System II, the Table of Equipment for an infantry battalion, and Company equipment reports, employ options and fields within the Unit Deployment List (UDL) to correctly identify equipment characteristics as they pertain to deployment planning without the aid of references.

c. Given MAGTF Deployment Support System II, the Table of Equipment for an infantry battalion, and Company equipment reports, ensure a garrison database is build that correctly reflects all the equipment and supplies the unit could possibly deploy with without the aid of references.

**OUTLINE**

1. **ACCESSING MDSSII** - MDSSII is installed as a component of the LOGAIS family. System Administration is another subset of the installation where users are granted permissions to access each or all of the systems within the family. Typically, one of your embarkers has system

administration rights and can either set you up as an user or fill you in on the user name and password that your unit uses.

STEP 1 - Double Click on the MDSSII icon.

STEP 2 - Enter LIS in the User Name box.

STEP 3 - Enter EMBARK in the password box.

STEP 4 - Ensure the database box shows LOGAIS32.

**2. INTERFACES:** This option allows the user to import data from other LOGAIS systems or the former version of MDSSII. The import process will collect the information provided into a plan which facilitates keeping the information separated and organized.

STEP 1. Select the **INTERFACE** option from the top menu and choose the IMPORT option.

STEP 2. Click on the **DRIVE** drop menu and select the A: drive.

STEP 3. Click on the **INTERFACE TYPE** and select **LOGAIS (\*.PEX)**. You should next receive a file in the box just below the file name box which is located on the **A:** drive.

STEP 4. Click on the 1BN2NDMAR.pex file, the file should next appear in the file name box (see figure 1).

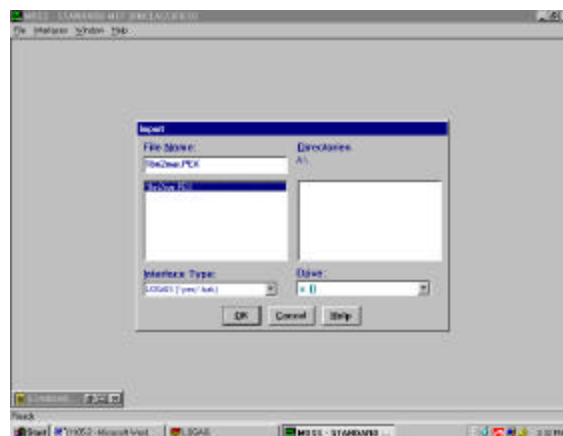


Figure 1

STEP 5. Click on the OK button, the import process should begin.

STEP 6. The system will prompt you once the import is complete. Click on the OK button.

**3. OPEN A PLAN.** This option allows you to select an existing plan to work on. Once a LOGAIS.PEX file is imported, a separated plan is created. Within a plan tables can be accessed to assist with the organization of information. The predominant table within a plan is the Unit Deployment List (UDL). The UDL is where information concerning equipment is stored. Each plan will contain a separate UDL.

STEP 1. Select the Open plan option from the File menu. A list box of plans currently maintained in the database is displayed (see figure 2).

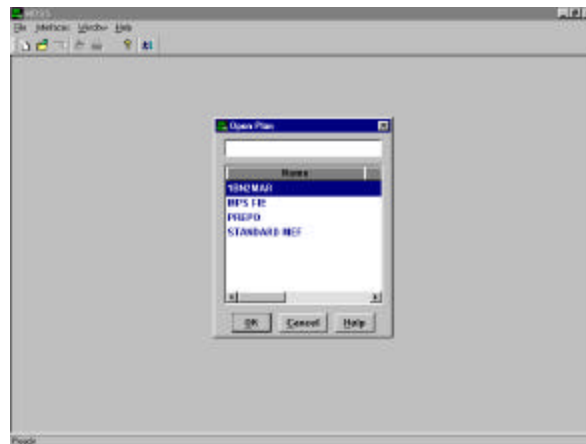


Figure 2

STEP 2. Select 1BN2MAR as the plan to Open. 1BN2MAR will now appear at the top of the main window along with the classification. Once a plan is selected and opened, it becomes the default plan until a different one is selected. This will be evident by the name of the plan displayed at the top of the main window.

#### **4. UNDERSTANDING THE UNIT DEPLOYMENT LIST**

a. UIC - Unit Identification Code (specifies the battalion or squadron)

b. NSN - National Stock Number (numeric value that identifies the equipment)

c. PKG ID - reflects the serial number of the equipment

d. SERIAL # - Item serial number or box # (usually matches the PKD ID)

e. NSN CON - Configuration of the item

f. ITEM ID - Table of Authorized Material Control Number (TAMCN)

g. DESCRIPTION - Nomenclature (can be modified as desired)

h. WEIGHT - Pounds (Accuracy is critical)

i. LENGTH - Inches (Accuracy is critical)

j. WIDTH - Inches (Accuracy is critical)

k. HEIGHT - Inches (Accuracy is critical)

l. JCS CARGO CATEGORY - Joint Chiefs of Staff Cargo Category Code (Accuracy is critical).

(1) Three characters code that describes type of equipment. Most commonly used are:

1ST CHARACTER	DESCRIPTION	2ND CHARACTER	DESCRIPTION	3RD CHARACTER	DESCRIPTION
A	Requires a prime mover	0	Not air transportable (exceeds 162" in height)	A	Does not require SQFT or CUFT
E	Hazardous cargo or security concern	1	Outsized Cargo (exceeds 102" in height)	B	Requires Containerization
J	Bulk cargo	2	Oversized Cargo (exceeds 88" in length)	D	Does not require containerization
R	Self propelled (does not require prime mover)	3	Bulk cargo		
		8	Carried item		

m. QUANTITY PER CARGO - Quantity of the items

n. # OF CARGO - Quantity of packages (Must always be 1)

o. MSE - Major Subordinate Element

- p. UPTT CODE - Unit, Personnel, Tonnage Table code (describes commodity and equipment handling)
- q. TEMPLATE - Specifies a sexy template in CAEMS
- r. UNIT OF ISSUE - Specifies packaging of equipment (BX, EA, RL ect.)
- s. ULN - Unit Line Number
- t. TCN - Transportation Control Number
- u. LANDING SERIAL - Numeric assignment of equipment and personnel to a specific landing craft, moving to a specific beach from the same ship in an amphibious operation.
- v. MAX WEIGHT - Specifies the weight that can be mobile loaded (not updated or generally used)
- w. LTI CODE - Letter conditioning code (shows maintenance status)
- x. IMO CODE - Hazard Class
- y. UN CODE - Hazardous material identification number.
- z. SUC - Supporting Unit Code (not generally used)
- aa. RUC - Reporting Unit Code (describes the companies within the battalion)
- bb. SECTION - Owning section within the companies.
- cc. SEAL NUMBER - Records serial numbers of seals placed on containers.
- dd. PRIORITY ORDER - Offloading priority numbers that specify the sequence vehicles are moved off of a ship in an amphibious operation.
- ee. ASSOCIATION - Type of marriage
- ff. PARENT UIC - Unit identification code of parent record when linked

gg. PARENT NSN - National Stock Number of parent record when linked

hh. PARENT PKG ID - Serial # of the parent record when linked

ii. STACK LIMIT - Used to show what equipment can be stacked (not generally used)

jj. GEOLOC CODE - Specifies the location of equipment in the word (not generally used, MAGTF records)

kk. AIT LOCATION CODE - Used in tracking locations, via Automatic Identification Technology (AIT)

ll. PACKAGE LOT NUMBER - Used to record lot numbers for critical supplies such as ammunition or MREs.

mm. REMARKS - General Block that can receive any information.

nn. TEAM NAME - Used for assignment to shipping to specify equipment and supplies to one ship.

oo. APPLIED MEASURE - Categorizes equipment into square or cubic stowage items

pp. COMMAND ATTENTION - Receives any three characters but can show equipment from supporting unit as allocated to a different MSE.

qq. NET EXPLOSIVE WEIGHT - Shows subtotal explosive weight per quantity of given ammunition.

rr. EMBARK CATEGORY - Shows designation for type of cargo as it pertains to amphibious shipping.

ss. SUPPLY CLASS - I through X

tt. MODEL NUMBER - Can reflect the model of the equipment.

uu. SCALE FACTOR - Useless field that pertains to nothing.

vv. SHELF LIFE CODE - A block that shows when material was manufactured (generally not updated or used)

ww. MISSION NUMBER - Assigned in the embarkation module when assignment to transportation assets are conducted.

xx. DATE AND TIME GROUP - AIT tracking field that records the most current date and time that the information was recorded to the UDL.

yy. MANUFACTURE CODE - Supply block that shows manufacturer (generally not updated or used)

zz. MANUFACTURE DATE - Supply block that shows when the material was manufactured (generally not updated or used)

aaa. LOGICAL SET - Field updated in the process of associating that specifies the grouping of a SET link structure.

bbb. PACK TYPE - MILSTAMP Code that specifies the configuration of the equipment for billing purposes on commercial transportation.

## **5. CUSTOMIZING THE UDL -**

a. Customize View - This option will facilitate the selection of fields to be viewed. Many of the fields within the UDL are not used or updated. In the interest of saving time scrolling around and viewing information, fields not being used can be turned off.

STEP 1 - Select Window

STEP 2 - Select Customize View (see figure 3)

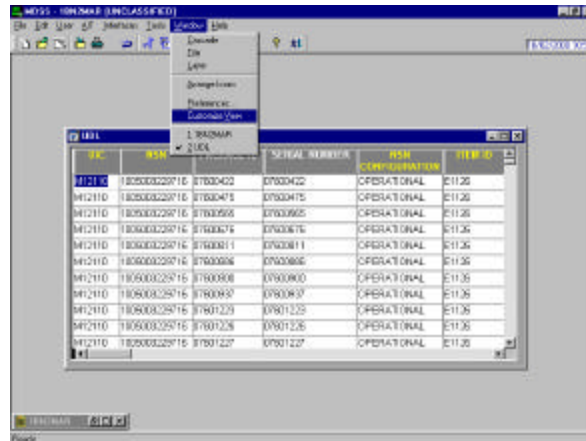


Figure 3

STEP 3 - Remove the check mark from fields you desire to remove from the UDL.

STEP 4 - Select OK

b. Moving Fields in the UDL - Just like most spreadsheet programs the fields (columns) can be moved to the order desired to be viewed. Organizing fields often expedites the process associated with data entry.

STEP 1 - Point at the gray title bar of the field

STEP 2 - Click with the left mouse button and hold

STEP 3 - Drag horizontally until the gray line is in the desired position

STEP 4 - Release the left mouse button

c. Resizing Fields in the UDL - Fields can be manipulated in size to provide the capability of compressing all desired information on the same screen. This reduces the amount of time required scrolling left and right in the spreadsheet.

STEP 1 - Position the mouse between two title bars until the mouse changes to a double arrow.

STEP 2 - Click with the left mouse button and hold



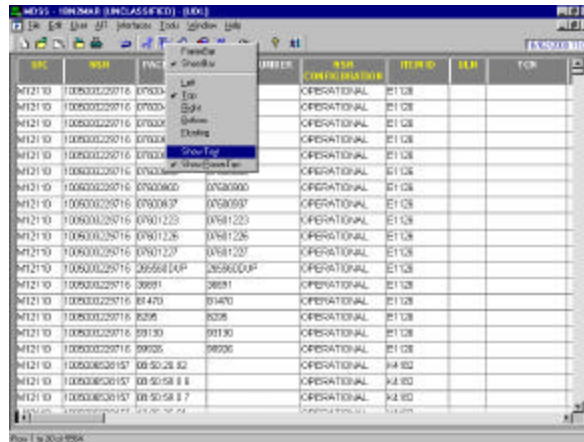


Figure 5

f. Preferences - Standard information in the UDL can be automatically established from the preferences for the UDL. If the same UIC or Section are desired to be filled in for each addition to the UDL the preferences can be adjusted to provide that capability.

## STEP 1 - Select Window

## STEP 2 - Select Preferences

STEP 3 - Select the UDL tab (see figure 6)

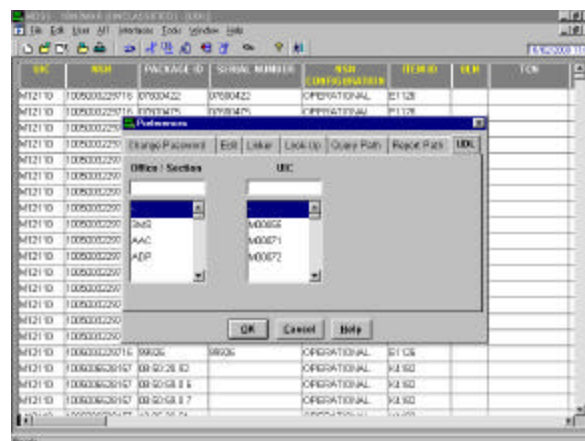


Figure 6

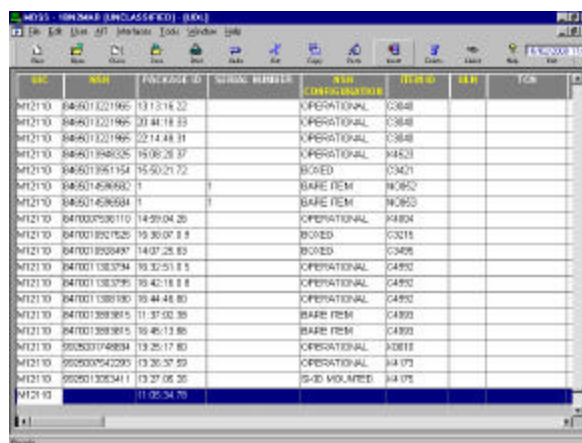
STEP 4 - Select or type in the UIC for 1<sup>st</sup> Battalion, 2<sup>nd</sup> Marines.

STEP 5 - Select OK.

## 6. INSERT/DELETE A RECORD -

a. Inserting a Record - Each record (row) represents a piece of equipment. All information on the row is relational to the same piece of gear. To make additions a blank record must be inserted and then filled in with the appropriate information.

STEP 1. To add a record select [Insert Record] from either the Edit menu or the Insert record Icon from the top line menu and a blank record is inserted. Note that the UIC fills in automatically due to the preferences settings. (see figure 7)



UIC	NSN	Stocking Field	Stocking Number	Item Description	UIC ID	CL ID	FIC
NI2110	84601122196	13 1 21 12		OPERATIONAL	03648		
NI2110	84601122196	20 44 18 35		OPERATIONAL	03648		
NI2110	84601122196	22 14 48 31		OPERATIONAL	03648		
NI2110	84601146025	15 06 28 37		OPERATIONAL	04421		
NI2110	84601156154	15 50 21 72		BORED	03421		
NI2110	84601458660	1		BAKE FEM	04052		
NI2110	84601458664	1		BAKE FEM	04053		
NI2110	847003030110	14 59 04 26		OPERATIONAL	04804		
NI2110	847001892125	19 30 07 8 8		BORED	03315		
NI2110	847001892687	14 07 28 83		BORED	03405		
NI2110	847001135374	19 32 51 8 8		OPERATIONAL	04892		
NI2110	847001135375	19 42 18 8 8		OPERATIONAL	04892		
NI2110	8470011389180	19 44 48 80		OPERATIONAL	04892		
NI2110	8470013891815	11 37 02 39		BAKE FEM	04893		
NI2110	8470013891815	19 45 13 86		BAKE FEM	04893		
NI2110	8505031748854	13 25 17 80		OPERATIONAL	04871		
NI2110	8505031748854	13 25 37 59		OPERATIONAL	04 071		
NI2110	850501305411	13 27 06 30		SHD. VOLUME	04 071		
NI2110		11 05 54 70					

Figure 7

b. Filling in Fields - Often the user may not know what information is required for an individual field. In the background of LOGAIS is the MAGTF Data Library (MDL). The MDL consists of reference tables that contain common examples of entries that may be entered into the field. If the information required in the field is known the user may simply type the value in and move on to the next field. Beware, if the information entered does not match the reference table an error will appear that says, "No look-up found." The fields that are linked to a reference table within the MDL have a yellow highlighted title bar.

STEP 2. Place the cursor in the NSN field by taking your mouse pointer and placing it into the NSN field and clicking the left mouse button. Perform a look up by using the [Look Up] command from the Edit menu, the ALT+F1 hot key, or the right mouse click option. The system will ask you whether if you want to use the MHIF table instead of

the Techdata table. You will always use the **Techdata** table throughout this course in LOGAIS (see figure 8)

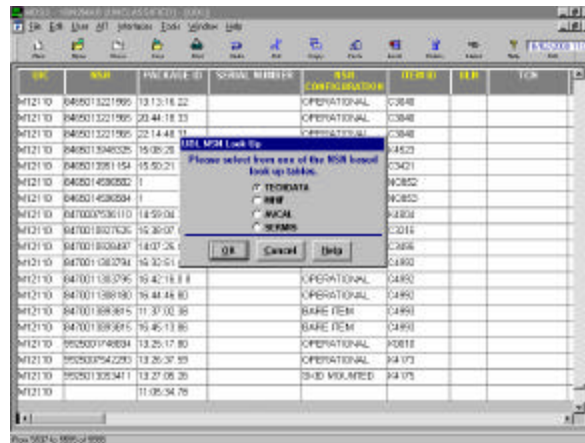


Figure 8

STEP 3. Place the cursor in the NSN field of the TechData table and select "Find". Type 2320 and then click OK. The system will then search the database and locate the very first item listed with those digits we inserted into the find box (see figure 9)

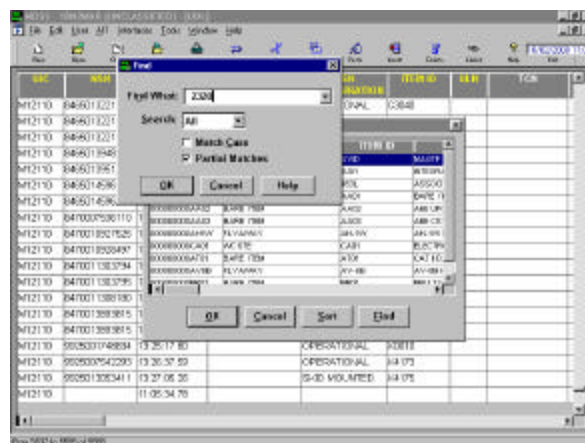


Figure 9

STUDENT NOTE: Experiment with the find option by looking up items also by ITEM ID (i.e. D1158 and D1059).

STEP 4. Once complete, select the CANCEL option to return to your UDL.

STEP 5. With the cursor in the Item ID field, select [Look Up].

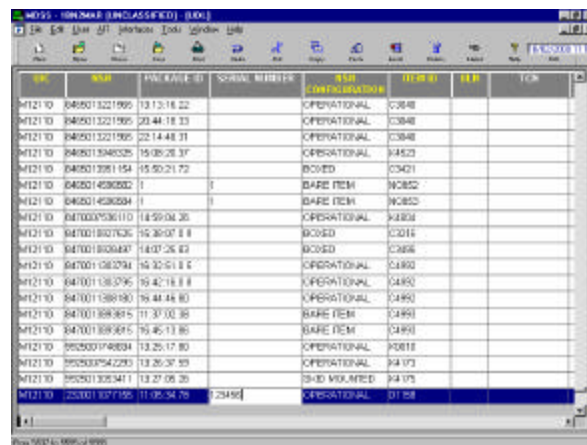
STEP 6. Select "Find" and type "D1158" in the find box.

STEP 7. To select the item, double click on the selected item or highlight it with mouse and select OK. The item selection is based on the NSN configuration that the user desires.

STUDENT NOTE: The NSN configuration identifies the items dimensional configuration as far as its height, weight and length.

STEP 8. Select the item and copy it to the UDL.

STEP 9. Place the cursor in the Serial Number field and type 123456 (see figure 10).



ITEM ID	NSN	PACKAGE ID	SERIAL NUMBER	STATUS	ITEM ID	ITEM	ITEM
MT2110	6465013221905	13131822		OPERATIONAL	C3648		
MT2110	6465013221905	23441833		OPERATIONAL	C3648		
MT2110	6465013221905	23144831		OPERATIONAL	C3648		
MT2110	6465013040325	15082837		OPERATIONAL	C4623		
MT2110	6465013081154	15502172		MOVED	C3421		
MT2110	6465014580802	1	1	WARE ITEM	W0852		
MT2110	6465014580804	1	1	WARE ITEM	W0852		
MT2110	6470005361110	14590435		OPERATIONAL	C4638		
MT2110	6470018027635	15260788		MOVED	C3016		
MT2110	6470018036837	14072583		MOVED	C3656		
MT2110	647001082794	15325185		OPERATIONAL	C4650		
MT2110	6470011382795	15421888		OPERATIONAL	C4650		
MT2110	6470011388180	15444880		OPERATIONAL	C4650		
MT2110	6470013883815	11370038		WARE ITEM	C4650		
MT2110	6470013883815	15451386		WARE ITEM	C4650		
MT2110	6470001748834	13251780		OPERATIONAL	W0818		
MT2110	6470003542293	13253789		OPERATIONAL	W4173		
MT2110	6470013053411	13270835		GOOD MAINTAINED	W4175		
MT2110	1253001307195	11053476	234480	OPERATIONAL	C1158		

Figure 10

STEP 10. Place the cursor in the Package ID field. Notice that the Package ID fills in automatically. The Serial Number and Package ID fields are mandatory. If you move the cursor up or down, the record will be posted or saved to the database, or you can select the Save menu from File option to post the record. Select Save. Scroll to the right and look at the different columns of information for that record. Notice those items that automatically updated when the record was chosen from the Techdata. These fields do not always contain accurate information. Ensure that you verify all entries for that actual item that you are inputting.

c. Deleting Records - Only records that are highlighted completely are selected. Ensure that when

selecting a record that the entire record is blue across the screen from left to right.

STEP 12. Highlight the record you just created. Select Delete from the Edit menu. Delete the record before moving on to your next exercise. The system prompts a Warning screen. Select OK to delete the record (see figure 11).

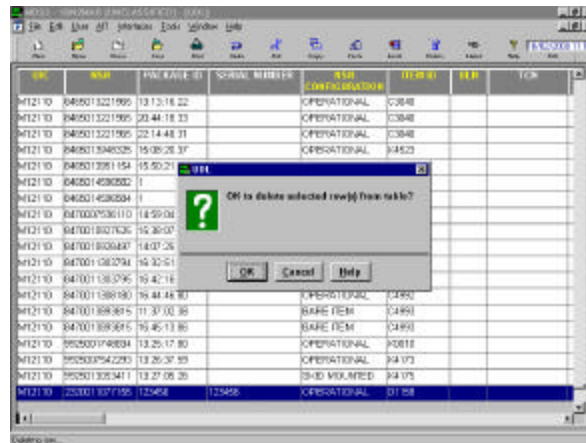


Figure 11

STEP 13. Press Ctrl + Insert to enter another record. Place your mouse in the Item Id field and type in D1158. Move your cursor to the serial number field. All D1158's in the TECHDATA file will be displayed. You can select from the list the appropriate D1158s by highlighting the record with the appropriate NSN and configuration and selecting OK. This function works for the NSN field also.

5. GENERATE RECORDS. This command provides you with the ability to add multiple records quickly in the active table. The highlighted record is copied into the clipboard and cloned to your specified quantity.

STEP 1. Highlight PACKAGE ID/SERIAL NUMBER "123456" by clicking on it with the left mouse button.

STEP 2. Select the Generate Records command from the Edit menu. The Generate Records window is display prompting you to enter the "**HOW MANY**" (see figure 12)



